

**CONDITION OF CERTIFICATION AQ-52**  
OFF-ROAD DIESEL FIRED EQUIPMENT USAGE LISTS

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

DATE: May 2004

CONTRACTOR: Strocal

This form must be completed before site mobilization and must include all equipment that will be used on site.

\*\*All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	01	Hyster	H360xL2	D019D03224 9Y	80	50 days	4/30/04		1996 or newer <100HP
Forklift	01	Gradall	G6-42P	XPE4045D12 8962	65	30 days	5/6/04		1996 or newer <100HP
Weld machine		Miller	489836	LA162169	59	50 days	5/10/04		<100HP
Weld machine		Miller	489836	LA084972	59	50 days	5/10/04		<100HP
Compressor	04	Ingersoll Rand	P250WJD	PE4045D281 451	60	50 days	5/10/04		1996 or newer <100HP
Boomlift	01	JLG	600AJ	0300058019	65	50 days	5/10/04		1996 or newer <100HP
Boomlift	01	JLG	600AJ	0300059401	65	50 days	5/10/04		1996 or newer <100HP
Boomlift	01	JLG	600AJ	0300057981	65	50 days	5/10/04		1996 or newer <100HP
Boomlift	01	JLG	600AJ	0300057934	65	50 days	5/10/04	5/24/04	1996 or newer <100HP
Boomlift	02	JLG	800AJ	0300057730	65	40 days	5/25/04		1996 or newer <100HP
Boomlift	02	JLG	800AJ	0300039592	65	40 days	5/26/04		1996 or newer <100HP
Scissor Lift	02	JLG	2032E2	0200073805	1	5 days	5/18/04		1996 or newer <100HP

Metcalf Energy Center Equipment Usage List

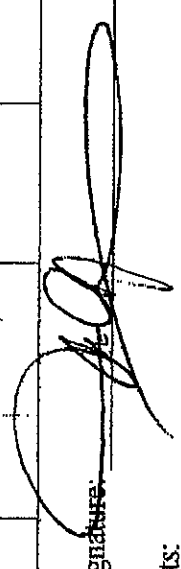
CONTRACTOR: Wilson Construction

DATE: May 2004

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Equipment Type (Backhoe, loader, etc.)	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Mule	2002	4x4		B505787	25	30	5/17/04		1996 or newer <100HP
Trackhoe	2000	John Deere	200cll	00CX503415	200	30	5/18/04		1996 or newer
Backhoe	2001	4x4	310	226-051709	200	120	5/18/04		1996 or newer
Crane	1996	Grove	RT500	77641	95	120	5/24/04		1996 or newer <100HP

CMM Signature: 

Date:

6/17/04

Comments:

CONTRACTOR\_Lloyd Aubry

DATE\_May 2004

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Equipment Type (Backhoe, loader, etc.)	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Portable Generator	2003	Colmen	Maxa 3000	83750207	5.5	Duration of job	Feb 2004		1996 or newer <100HP
Grout Mixer RSC	2003	Stone	655pm	022004096	8.0	30	2/27/04		1996 or newer <100HP
Grout Mixer RSC	2003	Stone	655pm	442003030	8.0	30	2/27/04		1996 or newer <100HP
Diesel Welder LWA	1999	Thermal Arc	Ta20/500d z	n/a	Under 100hp	Duration of job	2/27/04		1996 or newer <100HP
GRADALL RSC	1998	Grade All	5340-10	0366077	TBD	Duration of job	2/27/04	5/19/04	1996 or newer
Fork Lift RSC	2002	Daewood	s/s/mover 265500lb	Wj1e1	TBD	Duration of job	2/27/04		1996 or newer
Diesel Welder RSC 394163	2001	Lincoln	K1639-1	U1010902122	Under 100hp	Duration of job	3/10/04		1996 or newer <100HP
Diesel Welder RSC 394179	2001	Lincoln	K1639-1	U1010401132	Under 100hp	Duration of job	3/10/04		1996 or newer <100HP
Aerial boom lift (Hertz rental)	2002	Genie	S-65	5915	Under 100hp	TBD	4/27/04		1996 or newer <100HP
Forklift (Hertz)	2001	Gradall	534D-9	0644026	Under 100hp	TBD	4/27/04		1996 or newer <100HP
Gradall	1998	Gradall	5340-10	492115	TBD	Duration of job	5/19/04		1996 or newer

CONTRACTOR\_\_Lloyd Aubry

DATE\_May 2004

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CMM Signature: 

Date: 6/17/04

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR: PSF

DATE: May 2004

Sent By: Pasquini Engineering;

16613289030;

Jun-11-04 10:13AM;

Page 6

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 \*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2003	Gradall	G9-43A	412-09-3019	100	8 months	12/29/03		1996 or newer
Generator	1999	Atlas Copco	QAS228	80941863	49	8 months	1/5/04		CARB permit number 106740
Generator	2003	Multi Quip	175 KW	549-96-1002	273	8 months	3/16/04		1996 or newer
Manlift	2002	Genie	S-125	481-93-2006	77	10 months	1/5/04	5/27/04	1996 or newer
Manlift	2002	Genie	S-125	481-93-2026	77	10 months	1/12/04		<100 HP
Manlift	2002	Genie	S-125	481-93-2003	77	8 months	2/19/04		1996 or newer
4x4 Mule		Kawasaki		780-11-0004	<100	10 months	1/6/04		<100 HP
4x4 Mule		Kawasaki		780-11-1002	<100	8 months	3/1/04		<100 HP
Welding machine		Lincoln	Vantage 500	768-50-4011	40	5 months	1/2/04		<100 HP
Welding machine	2000	Lincoln	Comm500	768-50-0070	40	5 months	1/2/04		1996 or newer
Air compressor	2001	Ingersoll Rand	Ingersoll 185	006-18-1439		6 months	1/2/04		<100 HP
125' manlift	2002	Genie	S-125	481-93-2024	77	7 months	3/24/04		1996 or newer
Forklift	2003	Gradall	G9-43A	412-09-3002	80-100	6 months	4/7/04		<100 HP

Metcalf Energy Center Equipment Usage List

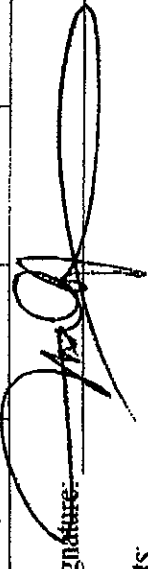
CONTRACTOR: PSF

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2003	Gradall	53409-45	412-09-3014	80-100	6 months	4/28/04		1996 or newer
Manlift	2000	Genie	S-45	481-45-0806	77	4 months	5/10/04		1996 or newer <100 HP
Air compressor	2001	Ingersoll Rand	R185	006-18-1820		4 months	5/6/04		1996 or newer
Welder	2002	Miller	Blue	768-50-2004	40	4 months	5/6/04		1996 or newer <100 HP
Forklift	2003	Gradall	5643D-10	412-03-3116	80-100	4 months	5/12/04		1996 or newer <100 HP
Manlift	2003	Genie	S-125	481-93-0003	77	4 months	5/27/04		1996 or newer <100 HP

CMM Signature: Date: 6/17/04

Comments:

## CONTRACTOR: Top Grade Construction

DATE: May 2004

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Equipment Type	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Mini Excavator	2003	Kobelco	SK80C-IE	LF02-01231	75		9/23/03		1996 or newer <100 HP
Excavator	1996	Hitachi	EX550	17HP007159	100		9/15/03		1996 or newer
Dump truck	1998	Volvo	A35C	A35CV5258	100		10/18/03		1996 or newer
Forklift	2001	Hyster	360	D019D032284	127		11/4/03		1996 or newer
Backhoe	2004	CAT	436B	BHNFL00318	90		1/7/04		1996 or newer <100 HP
Skip loader	2003	Terrex	650TX	TX65031105	60		12/8/04		1996 or newer <100 HP
Backhoe	2004	CAT	430D	CAT0430DPBNK04469	90		1/25/04		1996 or newer <100 HP
Dozer	1998	CAT	D4H	8PB6300	100		2/13/04	5/3/04	1996 or newer
Loader	1998	CAT	938F	KM00216	180		2/23/04		1996 or newer
Compactor	1999	Bomag	BW211D-3	101580371015	90		3/1/04		1996 or newer <100 HP
Forklift	1997	CAT	TH103	3PN00618	80		3/3/04		1996 or newer <100 HP



CONTRACTOR: Top Grade Construction

DATE: May 2004

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CMM Signature: 

Date: 6/17/04

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR: Conco

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2000	Gradall	534D-9	064433	100	9 months	09/08/03		1996 or newer
Crane	2001	Link Belt	HTC87	1F9F2J2592L 0284818	350	9 months	09/08/03		Exempt due to low duty cycle.
Compressor		Sullair	185DPOC A	004-132435	87	5 months	4/5/04		<100HP
Compressor		Sullair	185DPOC A	004-129026	87	9 months	4/5/04		<100HP

CMM Signature: 

Date: 6/17/04

Comments:

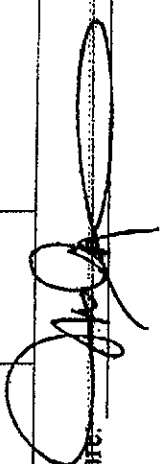
CONTRACTOR: Strocal

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Golf cart		Kawasaki	Mule	JKLAFDA14 28508071	25	50 days	5/6/04		<100HP
Crane		Link Belt				50 days	5/10/04		Exempt due to low duty cycle.
Scissor lift	02	JLG	1932E2	0200074918	1	20 days	5/27/04		1996 or newer <100HP

CMM Signature: Date: 6/17/04

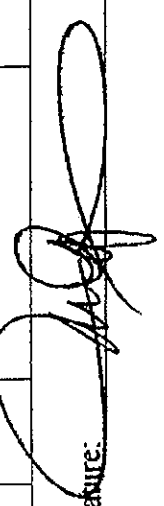
Comments:

**CONTRACTOR: Ranger Pipeline****DATE: May 2004**

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Equipment Type (Backhoe, loader, etc.)	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Excavator	1993	Komatsu	PC400LC-5	A4DI58	245	5 days	5/4/04	6/2/04	CARB <10 days of usage
Pothole Trailer	1997	Vactron			20	3 days	5/4/04	5/8/04	<10 days usage <100HP
Loader	1998	Volvo	L90C	L90CV32857	195	5 months	5/10/04		CARB 1996 or newer
Backhoe	1997	CAT	416	82K07795	70	3 months	5/8/04		1996 or newer <100HP
Excavator	1999	Komatsu	PC300	A83041A	180	2 months	5/12/04		1996 or newer
Generator	1998	Multiquip	25KW		40	15 days	5/13/04		1996 or newer <100HP
Utility Cart	1999	John Deere	Gator 4x2	4X2X029849	20	6 months	5/17/04		1996 or newer <100HP
Excavator	2002	CAI	EL200B	5BR1289	160	3 months	5/18/04		1996 or newer
Generator	1999	Multiquip	25KW		40	14 days	5/19/04		1996 or newer

CMM Signature: Date: 6/17/04

Comments:

DATE: May 2004

CONTRACTOR: Sheedy Drayage Co.

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Crane	1975	American	8460	2021	318	Periodically during construction	2/19/04		Exempt due to low-duty cycle.
Platform trailer	2001	Goldhofer	PST	0069	420	Periodically during construction	2/05/04		1996 or newer
JLG	2003	JLG	600AJ	030005798	40	4 months	2/23/04		1996 or newer <100 HP
Red Gantry	1989	Lift Systems	48A	87818A	78	4 months	2/16/04		<100 HP
Yellow Gantry	1999	Lift Systems	48A	24035A	156	4 months	3/17/04		1996 or newer
Crane	1983	P&H	Alpha100	53112	335	3 Months	3/9/04	5/28/04	Exempt due to low-duty cycle.
Crane	1990	P&H	150	55786	167	3 Months	3/9/04		Exempt due to low-duty cycle.
Crane	1990	P&H	150	55150	167	3 Months	4/1/04	5/28/04	Exempt due to low-duty cycle.
Crane	1998	Mastitow c	888	8881118	450	5 months	5/3/04		Exempt due to low-duty cycle.

CMM Signature:

Date:

6/17/04

Metcalf Energy Center Equipment Usage List


CONTRACTOR: National Steel Erection

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Lift	1998	JLG	120HX-D-4WD-GEN	0300035093	70	10 months	5/19/04		1996 or newer <100HP
Lift	1998	JLG	120HX-4-4WD-4WS	03000315755	70	10 months	5/19/04		1996 or newer <100HP
75 ton crane	1996	Terex	RT-175	57840	210	8 months	5/19/04		Exempt due to low duty cycle
Manlift (120')	2001	Genie	5120D 4wd	5120-423	77	8 months	5/19/04		1996 or newer <100HP
Manlift (125')	2001	Genie	5125D 4wd	5125-490	77	8 months	5/19/04		1996 or newer <100HP
Generator	2000	MQ	DCA-40055K	3699650	478	8 months	5/19/04		1996 or newer

CMM Signature: 

Date:

6/17/04

Comments:

Metcalf Energy Center Equipment Usage List

## CONTRACTOR: National Steel Erection

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Welder	2001	Lincoln	Commander 500	U1010500017	44	11 months	4/8/04		1996 or newer <100HP
Welder	2001	Lincoln	Commander 500	U1010500013	44	11 months	4/8/04		1996 or newer <100HP
Welder	2001	Lincoln	Commander 500	U1010614761	44	11 months	4/8/04		1996 or newer <100HP
Welder	2001	Lincoln	Commander 500	U1010500010	44	11 months	4/8/04		1996 or newer <100HP
50 ton Crane	1999	Lorain	RT450	11454	175	10 months	5/1/04		1996 or newer
90 ton Crane	1996	P&H	CN190	56820	250	10 months	5/1/04		1996 or newer
Gradall (rental)	2002	Gradall	534095	0744326	110	10 months	5/1/04		1996 or newer
Gradall	1998	Gradall	534045	0744129	170	10 months	5/1/04		1996 or newer
Semi Tractor	2000	Sterling	A9513	25SWHIECB3 YAS39714	350	10 months	5/1/04		1996 or newer
Generator	2002	Atlas Copco	0AS22B	USA002367	274@1800 RPM	10 months	5/1/04		1996 or newer
Generator	1998	Coleman	TR1755Q	5982981	300	10 months	5/19/04		1996 or newer
Gator	2001	John Deere	Gator YX2	W004X2X07 7442	25	10 months	5/1/04		1996 or newer <100HP

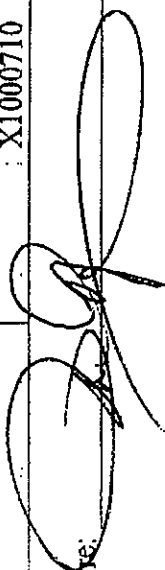
CONTRACTOR: Rosendin

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2002	Skytrak	8042 Legacy	17838	>100	90	9/11/03		1996 or newer
Compressor	2001	Atlas Copco	XAS 96	4500A06121 H613260	<100		10/10/03		1996 or newer
Forklift	1999	Spicer	SS842	142948	100	90	2/2/04	4/30/04	1996 or newer
Trencher	2001	Vermier	S03550	1VRR4080V7 X1000710	50	60	3/3/04		1996 or newer <100 HP

CMM Signature: Date: 6/17/04

Comments:



CONTRACTOR: Rosendin

DATE: May 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2002	Skytrak	8042 Legacy	17838	>100	90	9/11/03		1996 or newer
Compressor	2001	Atlas Copco	XAS 96	4500A06121 H613260	<100		10/10/03		1996 or newer
Forklift	1999	Spicer	SS842	142948	100	90	2/2/04	4/30/04	1996 or newer
Trencher	2001	Vermeer	S03550	1VPM080V7	50	60	3/3/04		1996 or newer
				X1000710					<100 HP

CMM Signature: Date: 6/17/04

Comments:

Metcalf Energy Center Equipment Usage List

**CONDITION OF CERTIFICATION AQ-52**  
COPIES OF CONTRACT LANGUAGE

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

**CONTRACT**

**FOR**

**CONSTRUCTION SERVICES**

**by and between**

**METCALF ENERGY CENTER, LLC**

**and**

**INTERSTATE CONSTRUCTION, INC.**

**Dated as of November 14, 2002**

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**METCALF POWER PROJECT**

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communicate and deal directly and exclusively with the Construction Manager on all matters arising under this Agreement. Claims and causes of action arising therefrom, however, shall be asserted only against Owner, and not against Construction Manager or its representatives, except in the case of fraudulent or willful misconduct by the Construction Manager or its representatives. The parties agree that the Construction Manager is intended to be a third party beneficiary of this Section 19.18.

- 19.19 Owner shall (or shall cause the Construction Manager to) designate in writing a representative (the "Owner's Representative") to represent and act for Owner and, as applicable, the Construction Manager with respect to matters arising under this Agreement and to receive communications from Contractor. Such Owner's Representative may be an employee of the Construction Manager or of M.A. Mortenson Company (the "Services Manager"), who has been retained by the Construction Manager to assist and provide support services to the Construction Manager in connection with the Project. All communications given to the Owner's Representative by Contractor in accordance with this Agreement shall be deemed effectively given to Owner.
- 19.20 Contractor's California contractor's State License Number is CA341026. Contractors are required by law in California to be licensed and are regulated by the Contractor's State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four (4) years of the date of the alleged violation. Any complaint regarding a latent act or omission pertaining to structural defects may be filed within ten (10) years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Register, Contractors' State License Board, P.O. Box 26000, Sacramento, California 95826.

IN WITNESS WHEREOF, the parties hereto have executed and entered into this Agreement as of the Effective Date.

**Contract Number: MECXX-0000000038**

CONTRACTOR

OWNER

Interstate Construction, Inc.,  
a California corporation

Metcalf Energy Center, LLC,  
a Delaware limited liability company

By: 

By: 

Name: JOEL D. LEINEKE

Name: Douglas L. Kieta

Title: VICE PRESIDENT

Title: Sr. Vice President - Construction

CR0006987

**CONTRACT**

**FOR**

**CONSTRUCTION SERVICES**

**by and between**

**CALPINE CORPORATION**

**and**

**O.C. McDonald Co., Inc.**

**Dated as of August 28, 2003**

**METCALF POWER PROJECT**

**CDICE**

**APR 21 2004**

*Inf/san*

**ORIGINAL**

**RECEIVED**

**APR 19 2004**

**METCALF ENERGY  
CENTER**

IN WITNESS WHEREOF, the parties hereto have executed and entered into this Agreement as of the Effective Date.

Contract Number: MECXX - 0000000073

CONTRACTOR

OWNER

O.C. McDonald Co. Inc.  
a California corporation

Calpine Corporation,  
a Delaware corporation  
for Metcalf Energy Center

By: \_\_\_\_\_

Title: President

By: D L Kute

Title: Sr. Vice President - Construction

**CONDITION OF CERTIFICATION BIO-2**  
SUMMARY OF BIOLOGICAL MONITORING

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

**Biological Resources**  
**Mitigation Monitoring for the**  
**Metcalf Energy Center**

**MONTHLY COMPLIANCE REPORT #32**

**May 2004**

**Prepared by:**

**CH2M HILL**

**2485 Natomas Park Drive, Suite 600**

**Sacramento, California 95833**



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**METCALF ENERGY CENTER**  
**MONTHLY COMPLIANCE REPORT**

**May 2004**

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**APPENDICES**

- A) Cumulative Wildlife Species Observed in or Near the Project Area**
- B) Wildlife Observation Forms**
- C) WEAT Sign-ins**
- D) Photographs**

# INTRODUCTION

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The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately 1 mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 1000-foot water pipeline from a tap into a new South Bay Water Recycling (SBWR) pipeline for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acres of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the San Francisco Bay Regional Water Quality Control Board (Water Board) to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be available during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during May 2004.

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# MONITORED MITIGATION MEASURES

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Mitigation measures were developed through consultation with USFWS, NMFS, CDFG, Water Board, Corps, and California Energy Commission (CEC) for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during May 2004.

The following conditions described in the USFWS Biological Opinion (BO) remained pertinent to the May monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas.
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features during rain events or other water releases.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will occur in the summer 2004.

The Biological Monitor was available throughout the month to respond to biological issues as needed. May activities are described in the following section.

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# SUMMARY OF ACTIVITIES

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This report includes project activities that took place during May 2004. Monitored project activities in May included continued site construction, installation of the wastewater pipeline, installation of the recycled water pipeline, and archaeological presence/absence testing along the proposed natural gas pipeline. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. Wildlife Observation forms are included in Appendix B. WEAT sign-in sheets are included in Appendix C. Relevant photographs are included in Appendix D. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

## Site Construction

May main site construction included ongoing excavation for and installation of underground utilities, and continued installation of concrete foundations. In addition, aboveground infrastructure installation included the heat recovery steam generator (HRSG) ducts and other equipment. Many of these activities will continue during June 2004.

The Biological Monitor visited the site periodically to inspect all construction activities. Monitoring visits focused on ensuring that work complied with CEC biological COCs and to determine future monitoring needs. Main site construction activity was limited to previously disturbed areas and remained outside the Fisher Creek riparian corridor.

## Underground Utilities

Excavation and installation of underground utilities on the main site continued in May. Waterline pipes and electrical conduit were installed and open excavations were back-filled with concrete and/or soil. All open trenches and excavations include wildlife escape ramps, and exposed pipe and conduit ends were capped to prevent wildlife entry. Utility installation will continue into June 2004.

Wildlife observations that occurred during underground utility construction are included in the *General Notes and Observations* section of this report.

## Concrete Foundations

May activities included installation of concrete forms and rebar, and concrete pouring for heavy structure foundations and other structures. All concrete mixer trucks were cleaned in the designated concrete washout prior to leaving the project site. Foundation work will continue into June 2004.

## Aboveground Infrastructure

Equipment continues to be transported from the laydown yards to the main site, where it is being installed on completed foundations. This work will continue into June 2004.

This month, active bird nests were discovered in the equipment stored in the south laydown yard and in the equipment installed on the main site. All active native-bird nests were avoided by project activities. Bird nesting activity is further discussed in the *General Notes and Observations* section.

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## **Wastewater Pipeline**

The 12-inch diameter wastewater pipeline is approximately 4,750-ft in length and extends from the main site, west to an existing City of San Jose wastewater line located near Santa Teresa Road. The facility is a high density polyethylene (HDPE) pipeline that traverses through an active agricultural field previously disturbed during last month's Wastewater Pipeline Archaeological Presence/Absence Testing Program. The pipeline shares an alignment with the proposed secondary access road.

Pipeline installation began on May 24<sup>th</sup>. A backhoe and other equipment remained within the construction corridor to install the pipe. Work progressed from Santa Teresa Road east to the main site. Installation of the pipeline will continue in June 2004.

Construction personnel checked open trench for trapped wildlife prior to the start of daily construction. Wildlife escape ramps were maintained throughout the month's activities and no wildlife was observed within the trench.

## **Recycled Water Pipeline**

The 20-inch diameter recycled water pipeline will convey cooling water to MEC from the SBWR recycled water line. The SBRP pipeline was completed in 2003 and is located near MEC, at the northwest corner of Blanchard Road and Monterey Hwy. The MEC connector is approximately 1000 feet in length and extends from MEC, east to the SBRP pipeline.

The recycled water line connection construction began in May with a jack and bore operation under a Union Pacific Railroad (UPRR) crossing. Activities included deep excavation of the bore pit at the northwest corner of the MEC access road and Blanchard Road followed by the jack and bore operation. This activity will continue in June 2004.

## **Archaeological Presence/Absence Testing**

The cultural monitors began performing test pits along the natural gas pipeline on May 27<sup>th</sup>. The pipeline extends east of the site to an existing PG&E transmission backbone pipeline along the eastern edge of Highway 101. Testing is taking place in all areas where trenching will occur. Horizontal direction drilling (HDD) and jack and bore technologies will be utilized to install the gas line where the alignment crosses the UPRR, Monterey Road, Coyote Creek, and Highway 101. Gas line installation will begin in June 2004.

The Biological Monitor conducted a pre-construction survey at all of the proposed test pit locations on May 27<sup>th</sup> and 28<sup>th</sup>. No biological issues were identified. The cultural monitors completed 14 test trenches in May. The test pits included numerous 6 to 8-foot (ft.) deep, 2 to 3-ft. wide, and 30-ft. long trenches along the alignment. Trenches were back-filled at the end of each day.

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# WORKER ENVIRONMENTAL AWARENESS TRAINING

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The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. As required by COC BIO-6 from the CEC *Commission Decision*, all new employees must attend the WEAT program.

One hundred-eighty seven personnel received WEAT training during May for a total of 1347 employees trained at MEC. A Calpine Site Safety Officer administered the WEAT training to all new May employees. A list of May WEAT attendees is included in Appendix C. Signed affidavits are kept on file by Calpine's Compliance Manager.

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## GENERAL NOTES AND OBSERVATIONS

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### Breeding Bird Activity

Breeding bird activity continued to be the primary biological issue on the site in May. Construction activities are typically considered a disturbance and a deterrent to most wildlife activity. However, for birds, construction sites can actually provide nesting opportunities for several species.

In May, active nests were found within the construction area and south laydown yard for house finch (*Carpodacus mexicanus*) and house sparrow (*Passer domesticus*). The site policy is to avoid all active nests containing eggs or young until the Biological Monitor can positively identify the species. The Biological Monitor removed several inactive and active house sparrow nests located in equipment in the south laydown yard and the MEC main site.

The Biological Monitor identified an active house finch nest with 5 eggs in a filter house module stored in the south laydown yard on May 5<sup>th</sup>. The nest was identified for avoidance with caution flagging and signage. The Biological Monitor will continue to monitor nesting the nest. A Wildlife Observation Form documenting the discovery is included in Appendix B.

The Biological Monitor observed northern rough-winged swallows (*Stelgidopteryx serripennis*) entering open-ended conduit approximately 50-feet above ground on the CTG concrete foundation on May 5<sup>th</sup>. At the time, the Biological Monitor was searching conduits for nesting activity and capping open conduits to prevent future nesting. Although the Biological Monitor did not find nesting material in those conduits visited by the swallows, they were flagged for avoidance and remain uncapped. Two house sparrow nests were removed from other open conduits prior to capping.

An active house finch nest discovered on top of HRSG #1 in April had been flagged for avoidance. The Biological Monitor assisted project personnel with installation of large

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wooden boards to provide a visual shield between the nest and nearby activity on May 10<sup>th</sup>. Successful fledging occurred at the nest before work was initiated in the area of concern. The Biological Monitor removed the nest after fledging on May 18<sup>th</sup>.

## Other General Notes and Observations

A fire burned portions of Tulare Hill that included the MEC Ecological Preserve on May 16<sup>th</sup>. The fire was attributed to sparks from a passing train. Fire fighters accessed Tulare Hill via the PG&E access road through Fisher Creek. Planted trees and shrubs and the irrigation system were damaged by the fire in the riparian planting Area 1. Planting Area 2 was not damaged. Damaged equipment will be replaced. Planted trees and shrubs will be monitored for signs of life. Lost plantings will be replaced as needed to fulfill the requirements of the preserve management plan. If needed, replacement plantings would likely occur in late fall to early winter. Project Biologist, John Cleckler, and CEC Biologist, Stuart Itoga visited MEC on May 19<sup>th</sup> to inspect the fire damage.

Calpine received a CEC response letter dated May 17, 2004 regarding the 2 active house finch nests removed in April causing loss of nests, eggs, and young. Calpine has already reacted by raising awareness and reinforcing the importance of avoiding nests. Warning signs and an educational poster were placed in select areas within the site. The letter includes several measures that have been deemed appropriate by affected regulatory agencies to mitigate for the losses of the nests, eggs, and young. These measures include:

- Implementation of a revised WEAT emphasizing project conditions and the appropriate actions to be taken when wildlife is encountered at MEC. All current and future MEC personnel will be required to attend the revised training which will be conducted by the Biological Monitor.
- An on-site non-game bird habitat enhancement program.

The revised WEAT training is expected to begin in June 2004.

The Biological Monitor removed a dead California vole (*Microtus californicus*) from a manhole and discarded the carcass in the Fisher Creek riparian corridor on May 18<sup>th</sup>. An associated wildlife observation form is included in Appendix B.

A valley pocket gopher (*Thomomys bottae*) was inadvertently killed by construction machinery during excavation and installation for underground utilities on May 20<sup>th</sup>. (Appendix B).

Calpine personnel continued to perform periodic SWPPP compliance inspections of project BMPs. The Biological Monitor will continue to aid the Calpine Environmental Compliance Manager in site preparation for rain events and ensure installed BMPs are in good repair and are functioning properly.

Two bulls were removed from the Tulare Hill portion of the MEC Ecological Preserve during May leaving 7 bulls within the preserve. The bulls were removed due to inadequate forage.

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The Project Biologist observed western tanagers (*Piranga ludoviciana*) within MEC, the Fisher Creek riparian corridor, and the Tulare Hill Ecological Preserve area. This species is a new addition to the accumulative species list found in Appendix A.



## **APPENDIX A**

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### **Cumulative Wildlife Species Observed In or Near the Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to May 31, 2004)**

Common Name	Scientific Name	Location
<b>INSECTS</b>		
Bay checkerspot butterfly	<i>Euphydryas editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Eurypelma californicum</i>	TH
<b>AMPHIBIANS AND REPTILES</b>		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
<b>BIRDS</b>		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea herodias</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Snowy egret	<i>Egretta thula</i>	FC
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
<b>Location:</b> CC = Coyote Creek Riparian Corridor      TH = Tulare Hill Ecological Preserve      SAR = Secondary Access Road Corridor CR = Coyote Ridge      TL = Transmission Line Corridor EC = Metcalf Energy Center Plant Site      WL = Water Line Corridor FC = Fisher Creek Riparian Corridor      LEA = Laydown expansion area GP = Gas Pipe Line Corridor      LA = Laydown Area CTP = Construction Trade Parking Lot		
<b>Notes:</b> * Flyover or otherwise not utilizing area resources.      Species in <b>bold</b> were recorded for the first time this month. ** Non-active sign (i.e. carcass, feather, nest track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to May 31, 2004) (Continued)**

Common Name	Scientific Name	Location
<b>BIRDS (continued)</b>		
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion heliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, FC**(nest), EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	EC
Cliff swallow	<i>Petrochelidon pyrrhonotta</i>	FC, FC**(nest), EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltirparus minimus</i>	EC, FC, FC**(nest), GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
<b>Location:</b>		
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve	SAR = Secondary Access Road Corridor
CR = Coyote Ridge	TL = Transmission Line Corridor	
EC = Metcalf Energy Center Plant Site	WL = Water Line Corridor	
FC = Fisher Creek Riparian Corridor	LEA = Laydown expansion area	
GP = Gas Pipe Line Corridor	LA = Laydown Area	
	CTP = Construction Trade Parking Lot	
<b>Notes:</b>		
* Flyover or otherwise not utilizing area resources.	Species in <b>bold</b> were recorded for the first time this month.	
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to May 31, 2004) (Continued)**

Common Name	Scientific Name	Location
<b>BIRDS (CONTINUED)</b>		
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA
American robin	<i>Turdus migratorius</i>	LA, EC, CC
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC, SAR
Western kingbird	<i>Tyrannus verticalis</i>	CC
European starling	<i>Strunus vulgaris</i>	LEA, FC, EC
<b>Western tanager</b>	<b><i>Piranga ludoviciana</i></b>	<b>EC, FC, TH</b>
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA, FC
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC, SAR
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC, SAR
Bullock's oriole	<i>Icterus bullockii</i>	FC, FC**(nest), CC
House finch	<i>Carpodacus mexicanus</i>	EC, LA**, CC, FC, LEA**(nest)
American goldfinch	<i>Carduelis tristis</i>	LEA
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH
House sparrow	<i>Passer domesticus</i>	EC, FC, CC, LEA**(nest)
<b>MAMMALS</b>		
Common raccoon	<i>Procyon lotor</i>	FC**(track)
Striped skunk	<i>Mephitis mephitis</i>	TH**(track)
Opossum	<i>Didelphis marsupialis</i>	EC
Coyote	<i>Canis latrans</i>	TH
Feral cat	<i>Felis catus</i>	EC
Bobcat	<i>Lynx rufus</i>	CC** (carcass)
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL
<b>Location:</b>		
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve	SAR = Secondary Access Road Corridor
CR = Coyote Ridge	TL = Transmission Line Corridor	
EC = Metcalf Energy Center Plant Site	WL = Water Line Corridor	
FC = Fisher Creek Riparian Corridor	LEA = Laydown Expansion Area	
GP = Gas Pipe Line Corridor	LA = Laydown Area	
	CTP = Construction Trade Parking Lot	
<b>Notes:</b>		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		
Species in <b>bold</b> were recorded for the first time this month.		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to May 31, 2004) (Continued)**

Common Name	Scientific Name	Location
<b>MAMMALS (CONTINUED)</b>		
Western gray squirrel	<i>Sciurus griseus</i>	FC
Valley pocket gopher	<i>Thomomys bottae</i>	LA**(carcass), SAR
California vole	<i>Microtus californicus</i>	FC, EC
Deer mouse	<i>Peromyscus maniculatus</i>	TH, EC
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC, TH, CTP
Feral pig	<i>Sus scrofa</i>	CC**(carcass)
Tule elk	<i>Cervus nannodes</i>	CR
Black-tailed deer	<i>Odocoileus hemionus</i>	FC, GP, CC
<b>Location:</b>		
CC = Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve	SAR = Secondary Access Road Corridor
CR = Coyote Ridge	TL = Transmission Line Corridor	
EC = Metcalf Energy Center Plant Site	WL = Water Line Corridor	
FC = Fisher Creek Riparian Corridor	LEA = Laydown/expansion area	
GP = Gas Pipe Line Corridor	LA = Laydown Area	
	CTP = Construction Trade Parking Lot	
<b>Notes:</b>		
* Flyover or otherwise not utilizing area resources	Species in <b>bold</b> were recorded for the first time this month	
** Non-active sign (i.e. carcass, feather, nest, track)		

## **APPENDIX B**

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### **Wildlife Observation Forms**

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Metcalf Energy Center Project Areas	
To be filled out by personnel who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Todd Ellwood
Date:	5/5/04
Location of observation:	South Laydown Yard - filter house module
Condition of wildlife:	alive <input checked="" type="checkbox"/> dead <input type="checkbox"/>
Species:	house finch nest with eggs
Possible cause of injury or death:	n/a
Where is the animal currently?	nest in stored equipment (filter house module)
Is the resource in danger of project (or other) impacts?	No, area cordoned off to prevent disturbance by project activities.
Comments:	Equipment and nest will be avoided until eggs hatch and nestlings fledge from nest.
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385	
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402	
COMPANY: CH2M ADDRESS: 2485 Natomas Park Drive, St. 600	
USFWS CONTACT: Cecilia Brown (916) 414-6625	
CDFG CONTACT: John Norris (408) 591-5174	

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Metcalf Energy Center Project Areas	
To be filled out by personnel who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Todd Ellwood
Date:	5/18/04
Location of observation:	MEC main site, man hole #5
Condition of wildlife:	
alive <input type="checkbox"/>	dead <input checked="" type="checkbox"/>
Species:	California vole
Possible cause of injury or death:	unknown, possible death from climatic exposure at bottom of concrete man hole
Where is the animal currently?	carcass removed from manhole by Biological Monitor to the Fisher Creek Riparian corridor.
Is the resource in danger of project (or other) impacts?	No
Comments:	none
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385	
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402	
COMPANY: CH2M ADDRESS: 2485 Natomas Park Drive, St. 600	
USFWS CONTACT: Cecilia Brown (916) 414-6625	
CDFG CONTACT: John Norris (408) 591-5174	



Figure B-1: Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Metcalf Energy Center Project Areas	
To be filled out by personnel who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee: CHRISTINE MARSHALL	
Date: 5/20/04	
Location of observation: SANITY SCHOOL LANE / STATION 54 + 56	
Condition of wildlife: alive <input type="checkbox"/> dead <input checked="" type="checkbox"/>	
Species: Gopher?	
Possible cause of injury or death: BLUNT FORCE TRAUMA TO NECK WITH LACK OF SKIN SUPERIOR TO THE BULGE.	
Where is the animal currently? STATION 54 + 56 AT FENCE LINE.	
Is the resource in danger of project (or other) impacts? NO, IT'S DEAD.	
Comments: NOT A GROSSER DEATH.	
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385	
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402	
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600	
USFWS CONTACT: Cecilia Brown (916) 414-6625	
CDFG CONTACT: Mark Imsdahl (707) 944-5512	

## **APPENDIX C**

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### **WEAT Sign-In Sheets**

# METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 05.03.04

**PLEASE NOTE:**

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
DAVID SAMAS	<i>[Signature]</i>	STROCAL	W	00355	—	—
Domingo Teneyigue	<i>[Signature]</i>	Aubry	W	00356	—	—
Danny Fitzgerald	<i>[Signature]</i>	Aubry	W	00357	—	—
ANTHONY HERRERA	<i>[Signature]</i>	Aubry	W	00358	—	—
STEVEN W. Carr	<i>[Signature]</i>	Lloyd Aubry	W	00359	—	—
SARAH WINTER	<i>[Signature]</i>	NS	W	00360	—	—
Busty Sweet	<i>[Signature]</i>	Natl'	W	00361	—	—
Orad Simmons	<i>[Signature]</i>	National	W	00362	—	—
Randall Martin	<i>[Signature]</i>	National Steel	W	00363	—	—
Richard Dove	<i>[Signature]</i>	NATIONAL STEEL	W	00364	—	—
Curtis Clancy	<i>[Signature]</i>	National Steel	W	00365	—	—
GREG BLAKE	<i>[Signature]</i>	NATIONAL STEEL	W	00366	—	—
Brian Sera	<i>[Signature]</i>	STROCAL	W	00367	—	—
GABRIEL LAPIA	<i>[Signature]</i>	STROCAL	W	00368	—	—
Richard Hernandez JR	<i>[Signature]</i>	STROCAL	W	00369	—	—
Richard A. Hernandez SR	<i>[Signature]</i>	STROCAL	W	00370	—	—
ADRIAN LAPIA	<i>[Signature]</i>	STROCAL	W	00371	—	—
CHARLES HERNANDEZ	<i>[Signature]</i>	STROCAL	W	00372	—	—
Larry Figueroa	<i>[Signature]</i>	Strocal, Inc	D	238	60637	0165

Instructor/s: *[Signature]*

(Biology, Archaeology, & Paleontology)

Date:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

**FOR OFFICE USE ONLY**

**Instructor/s:**

*[Handwritten signature]*

# METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 05.04.04

**PLEASE NOTE:**

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

			FOR OFFICE USE ONLY			
NAME (PRINT)	NAME (SIGNATURE)	COMPANY	W OR D	EMP ID #	BADGE #	PARK PERMIT #
JESSE Fulton	<i>Jesse Fulton</i>	Strocal Inc.	W	00379	—	—
David Lucero	<i>David Lucero</i>	Strocal	W	00380	—	—
Joey DeMartini	<i>Joey DeMartini</i>	Strocal	W	00381	—	—
Dave Dykes	<i>Dave Dykes</i>	Strocal	W	00382	—	—
Charles W. Van	<i>Charles W. Van</i>	SSC	W	00383	—	—
Rainer Knoop	<i>Rainer Knoop</i>	SSC	W	00384	—	—
JAMES Eisner	<i>James Eisner</i>	SSC	W	00385	—	—
John E. Hoone	<i>John E. Hoone</i>	SSC	W	00386	—	—
ERNEST W. HICKS JR	<i>Ernest W. Hicks Jr.</i>	SSC	W	00387	—	—
Robert E. Van Epps	<i>Robert E. Van Epps</i>	SSC	W	00388	—	—
JOHN TAMMEN	<i>John Tamm</i>	SSC	W	00389	—	—
MARION CROUSE	<i>Marion Crouse</i>	NSE	W	00390	—	—
PETER BANKS	<i>Peter Banks</i>	H.T.I.	D	513	16811	0168
Ruben Gallegos	<i>Ruben Gallegos</i>	Alamillo Steel	W	00391	—	—
JOSE GARCIA	<i>JOSE GARCIA</i>	RANGER	W	00392	—	—
Mauricio Martinez	<i>Mauricio</i>	RANGER	W	00393	—	—
JOSEPH T. OLIVEIRA	<i>J.T. Oliveira</i>	AUBREY	W	00394	—	—
JEFF BOYCE	<i>Jeff Boyce</i>	STROCAL	W	00395	—	—
Barney Enderlein	<i>Barney Enderlein</i>	Strocal	W	00396	—	—

Instructor/s: *M. Murrell*

(Biology, Archaeology, & Paleontology)

**Date:**

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**Instructor/s:**

mmmmmm

# METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

22

Date: 05.10.04

**PLEASE NOTE:**

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

			FOR OFFICE USE ONLY			
NAME (PRINT)	NAME (SIGNATURE)	COMPANY	W OR D	EMP ID #	BADGE #	PARK PERMIT #
Erik Coleman	<i>Erik Coleman</i>	REI	D	257	60696	0177
LEE Raythammit	<i>Lee Raythammit</i>	H. B. W.	W	00402	—	—
Jim Benson	<i>Jim Benson</i>	PSF	D	470	16768	0178
DERRICK CROOKER	<i>Derrick Crooker</i>	PSF	W	00403	—	—
FRANK D CHAVEZ	<i>Frank D Chavez</i>	PCAR STROCAL	W	00404	—	—
JERRY SALWINDER	<i>Jerry Salwinder</i>	PCAR STROCAL	W	00405	—	—
Santiago Brisceno	<i>Santiago Brisceno</i>	Ranger	W	00406	—	—
Jorge HERNANDEZ	<i>Jorge Hernandez</i>	Ranger	W	00407	—	—
Marcus Pitts	<i>Marcus Pitts</i>	SSC	W	00408	—	—
Christie McCullough	<i>Christie McCullough</i>	SSC	W	00409	—	—
REYMONDO GARRIBO	<i>Reymundo Garribo</i>	CONCO	W	00410	—	—
Dean R. Agee	<i>Dean R. Agee</i>	NSE	W	00411	—	—
Daniel E Burrow	<i>Daniel E Burrow</i>	Top Groove Con.	W	00412	—	—
BABA BENYAMIN	<i>Baba Benyamin</i>	NSE	W	00413	—	—
JAMES MCKEAN	<i>James McKean</i>	NSE	W	00414	—	—
DANIEL MACADAMIA	<i>Daniel Macadamia</i>	NSE	W	00415	—	—
Gary A. Jones	<i>Gary A. Jones</i>	NSE	W	00416	—	—
LOUIS ZAR	<i>Louis Zar</i>	NSE	W	00417	—	—
John Herrod	<i>John Herrod</i>	NSE	W	00418	—	—

Instructor/s: *[Signature]*

(Biology, Archaeology, & Paleontology)

**PLEASE NOTE:**

[illegible]

Monnelly



## 8

Date: 05.11.04

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s: 

# METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 05.17.04

**PLEASE NOTE:**

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			FOR OFFICE USE ONLY			
NAME (PRINT)	NAME (SIGNATURE)	COMPANY	W OR D	EMP ID #	BADGE #	PARK PERMIT #
BUDDY CLARK	<i>Budd Clark</i>	NATIONAL STEEL	W	00429	—	—
Gary J. Robinson	<i>Gary J. Robinson</i>	National Steel	W	00430	—	—
John Chapman	<i>John Chapman</i>	Herchberger	W	00431	—	—
BRIAN USRY	<i>Brian Usry</i>	BIRGE kuby	W	00432	—	—
MICHAEL FELTER	<i>Michael Felter</i>	HECHBERGER	W	00433	—	—
MICHAEL O'LAUGHLIN	<i>Michael O'Laughlin</i>	REI	W	00434	—	—
TERRY RAGAN	<i>Terry Ragan</i>	HTI NSE	W	00435	—	—
GREGG SPENCER	<i>Gregg Spencer</i>	CONCO	W	00436	—	—
DOUG GLENIN	<i>Doug Glenin</i>	CONCO	W	00437	—	—
Larry Murray	<i>Larry Murray</i>	Conco	W	00438	—	—
Rob Seska	<i>Rob Seska</i>	Rosenwin	W	00439	—	—
JOHN H. CASEY	<i>John H. Casey</i>	STL & sign	D	418	16716	0182
WILLIAM CLINTON	<i>William Clinton</i>	STL	D	437	16735	0183
Rodolfo Valle	<i>Rodolfo Valle</i>	Top Grade	W	00440	—	—
Mike Roberts	<i>Mike Roberts</i>	PSF	W	00441	—	—
SUSAN FAIRCHILD	<i>Susan Fairchild</i>	ROSENDIN ELEC	W	00442	—	—
Jeffrey C. Conville	<i>Jeffrey C. Conville</i>	Lloyd Aubrey	W	00443	—	—
DAVE MIDDLERSWART	<i>Dave Middlerswart</i>	Wilson const	W	00444	—	—
Enrique Botas	<i>Enrique Botas</i>	Wilson const	W	00445	—	—
Jason Massey	<i>Jason Massey</i>	Wilson Const	W	00446	—	0184
Suzanne Smith	<i>Suzanne Smith</i>	LWA	W	00447	—	—

Instructor/s: *[Signature]*

(Biology, Archaeology, & Paleontology)

**Date:**

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**FOR OFFICE USE ONLY**

**Instructor/s:**

*[Handwritten signature]*

# METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 05.18.04

## PLEASE NOTE:

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NAME (PRINT)	NAME (SIGNATURE)	COMPANY	FOR OFFICE USE ONLY			
			W OR D	EMP ID #	BADGE #	PARK PERMIT #
Johnday A. Nielson	<i>Johnday A. Nielson</i>	Strocal	W	00449	—	—
ARIS D. NUNEZ	<i>ARIS D. NUNEZ</i>	Strocal	W	00450	—	—
Rick Ballard	<i>Rick Ballard</i>	Strocal	W	00451	—	—
Maynard Chadwick	<i>Maynard Chadwick</i>	Roundtree Plumbing	W	00452	—	—
EDWARD LOCKWOOD	<i>EDWARD LOCKWOOD</i>	ROUNDTREE PLUMBING	W	00453	—	—
LANCE H. WEIR	<i>LANCE H. WEIR</i>	Calpine	D	324	16622	0185
Michael A Chavez	<i>Michael A Chavez</i>	DPE, Const.	W	00454	—	—
DANIEL White	<i>DANIEL White</i>	STROCAL	W	00455	—	—
DONNIE D BARKER	<i>DONNIE D BARKER</i>	NAT STEEL	W	00456	—	—
Glen Gates	<i>Glen Gates</i>	Ranger pipeline	W	00457	—	—
Sara Hale	<i>Sara Hale</i>	Calpine	D	332	16630	0186
JOSE LUIS CARRANZA	<i>JOSE LUIS CARRANZA</i>	CONCO	W	00458	—	—
Jesus Belmontes	<i>Jesus Belmontes</i>	Roundtree Plumbing	W	00459	—	—
TIM DOMINGUES	<i>TIM DOMINGUES</i>	SPRIG ELECTRIC	W	00460	—	—
Mark Cervell	<i>Mark Cervell</i>	SPRIG ELECTRIC	W	00461	—	—
Edel Sanchez	<i>Edel Sanchez</i>	PRDIT	W	00462	—	—
DON SMITHEE	<i>DON SMITHEE</i>	CALPINE NAT. GAS	D	468	16766	0187
ALFREDO BARRON	<i>ALFREDO BARRON</i>	CONCO	W	00463	—	—
Anselmo Barron	<i>Anselmo Barron</i>	CONCO	W	00464	—	—

Instructor/s: *[Signature]*

(Biology, Archaeology, & Paleontology)

Date: 05.18.04

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

[illegible]

Instructor/s: \_\_\_\_\_